Philips
LCD monitor with
SmartImage lite

E-line
28" / 71.1 cm
MHL Technology

284E5QHAD

Vibrant images with MVA display

with MHL technology

This big, attractive Philips display with slim bezel and MVA screen gives you awesome, vibrant color images. Mobile HD link allows you to mirror your Smartphone, immersing you in powerful multimedia.

Entertainment with Mobile HD Link (MHL)
- MHL technology for enjoying mobile content on big screen
- Optional MHL cable allows for HD video audio playback
- Charge your mobile device while watching movie
- HDMI-ready for Full HD entertainment
- Superb 14 watts stereo sound

Awesome picture quality
- MVA display gives awesome images with wide viewing angle
- 16:9 Full HD display for best viewing experience
- TrueVision ensures lab quality images
- SmartImage Lite for an enhanced LCD viewing experience

Stylish design
- Elegant design with slim bezel
- Superb glossy and texture finish
- VESA mount for convenience

PHILIPS

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Highlights

MVA LED display

Philips MVA LED display uses an advanced multi-domain vertical alignment technology which gives you super-high static contrast ratios for extra vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web-browsing, movies, gaming, and demanding graphical applications. It's optimized pixel management technology gives you 176/176 degree extra wide viewing angle, resulting in crisp images even in 90 degree pivot mode

MHL technology

Mobile High Definition Link (MHL) is a mobile audio/video interface for directly connecting mobile phones and other portable devices to high-definition displays. An optional MHL cable allows you to simply connect your MHL capable mobile device to this large Philips MHL display, and watch your HD videos come to life with full digital sound. Now not only you can enjoy your mobile games, photos, movies, or other apps on its big screen, you can simultaneously charge your mobile device so you never run out of power half way.

SmartImage Lite

SmartImage Lite is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen. Based on a scenario you select, SmartImage Lite dynamically enhances the contrast, color saturation and sharpness of images and videos for ultimate display performance - all in real time with the press on a single button.

Superb 14 watts stereo sound

A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

HDMI Ready

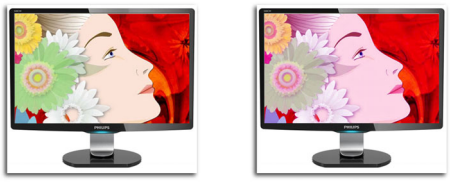
HDMI ready

A HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input, high quality digital video and audio signals all transmitted over a single cable from a PC or any number of AV sources including set-top boxes, DVD players and A/V receivers and video cameras.

16:9 Full HD

The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future proof as it supports 1080p signals from all sources, including the most recent like Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colors.

TrueVision



TrueVision On | TrueVision Off

TrueVision is a proprietary Philips technology that uses advanced algorithm for testing and aligning monitor display which gives you the ultimate display performance. Philips ensures TrueVision monitors leave the factory fine-tuned with this process giving you consistent color and picture quality.

MVA | MHL Mobile High-Definition Link | SmartImage Lite | Wide Viewing Angle | 2x HDMI | Built-in Speakers | Full HD 1080p | Hg Free | Windows 8 Compatible

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Specifications

Picture/Display
- LCD panel type: MVA
- Backlight type: W-LED system
- Panel Size: 28 inch / 71.1 cm
- Effective viewing area: 619.8 (H) x 348.6 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60Hz
- Response time (typical): 6.5 ms
- SmartResponse (typical): 4 ms (Grey to Grey)
- Brightness: 300 cd/m²
- Contrast ratio (typical): 3000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.32 x 0.32 mm
- Viewing angle: 176° (H) / 176° (V), @ C/R > 10
- Picture enhancement: SmartImage Lite
- Display colors: 16.7 M
- Scanning Frequency: 30 -83 kHz (H) / 56 -75 Hz (V)
- MHL: 1080p@30Hz
- sRGB

Connectivity
- Signal Input: HDMI (digital, HDCP), MHL-HDMI (digital, HDCP), VGA (Analog)
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

Convenience
- Built-in Speakers: 7 watts x 2
- User convenience: Power On/Off, Menu, Volume, Input, SmartImage lite
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Turkish, Traditional Chinese, Ukranian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7, Windows 8

Stand
- Tilt: -5/20 degree

Power
- On mode: 23.18 W (typ.) (EnergyStar 6.0 test method)
- Standby mode: 0.5 W (typ.)
- Off mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: External, 100-240VAC, 50-60Hz

Dimensions
- Product with stand (mm): 663 x 485 x 237 mm
- Product without stand (mm): 663 x 390 x 54 mm
- Packaging in mm (WxHxD): 711 x 542 x 116 mm

Weight
- Product with stand (kg): 4.73 kg
- Product without stand (kg): 4.21 kg
- Product with packaging (kg): 6.60 kg

Operating conditions
- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF: 30,000 hour(s)

Sustainability
- Environmental and energy: EnergyStar 6.0, EPEAT Silver, RoHS, Lead-free, Mercury Free
- Recyclable packaging material: 100 %

Compliance and standards
- Regulatory Approvals: BSMI, CE Mark, cETLus, FCC Class B, GOST, SASO, SEMKO, TCO 6.0, TUV/ISO9241-307, WEEE

Cabinet
- Color: Black Cherry
- Finish: Glossy

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Version: 1.0.1

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* This Philips display is MHL certified. However, in case your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for direction. The policy of your device manufacturer may require you to purchase their brand specific MHL cable or adapter in order to work
* Requires optional MHL certified mobile device and MHL cable. (not included) Please check with your MHL device vendor for compatibility.
* Standby/Off energy saving of ErP is not applicable for the MHL charging functionality
* Smart response time is the optimum value from either GtG or GtG (BW) tests.